

SECTION 02200 - EARTHWORK

A. SUMMARY

1. Prepare and grade subgrades for **[slabs-on-grade,] [walks,] [pavements,] [landscaping]**.
2. Excavate and backfill for buildings and structures, including **[footings and foundations] [pile foundations] [underground tanks, basins, and mechanical and electrical items]**.
3. Provide drainage and moisture-control fill course for slabs-on-grade.
4. Provide subbase course for walks and pavements.
5. Provide subsurface drainage backfill for walls and trenches.
6. Excavate and backfill trenches within building lines.
7. Excavate and backfill for underground mechanical and electrical utilities.
8. Unit prices for rock excavation.
9. Provide erosion control measures.
10. Provide dewatering required to protect subgrades and foundation soils.

B. QUALITY ASSURANCE

1. Geotechnical Engineering Testing Agency to Classify Soils and to Perform Testing: Contractor employed.

C. MATERIALS

1. Soil Materials:
 - a. Satisfactory Soil: ASTM D 2487 soil classification groups.
 - b. Unsatisfactory Soil: ASTM D 2487 soil classification groups.
 - c. Backfill and Fill: Satisfactory soil material.
 - d. Subbase and Base: Crushed gravel, crushed stone, and crushed sand.
 - e. Engineered Fill: Subbase or base material.
 - f. Bedding Material: Subbase or base material.
 - g. Drainage Fill: Crushed stone, or crushed or uncrushed gravel.
 - h. Filtering Material: Crushed gravel or stone and sand.
 - i. Impervious Fill: Clayey gravel and sand mixture.
2. Accessories:

- a. Warning Tape: [**Polyethylene film**] [**Detectable polyethylene film**].
- b. Filter Fabric: Nonwoven polypropylene, nylon, or polyester.

D. EXCAVATION

- 1. Explosives: [**Not permitted**] [**Permitted with written permission from authorities having jurisdiction**].
- 2. Disposal of Waste Materials: [**At storage areas on Owner's property**] [**Off Owner's property**].

END OF SECTION 02200